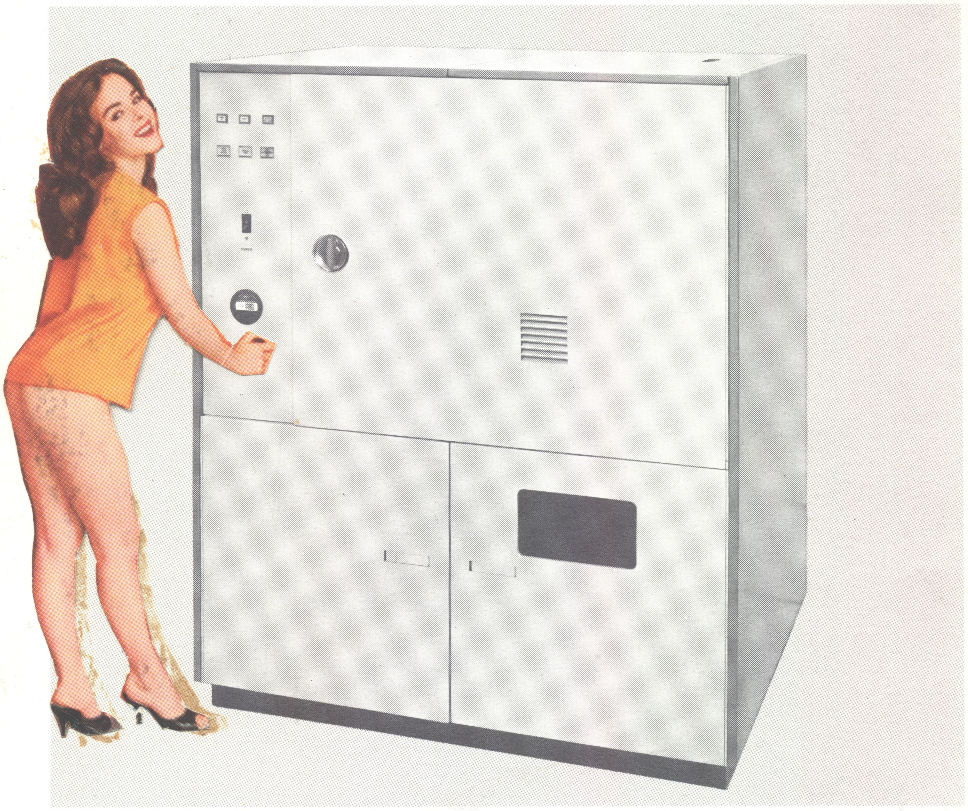
Continuous, unattended, on-line

HARD COPY PRODUCTION



with...

DATASTAT

MAKES
TRANSIENT
DATA
PERMANENT

- Sensitivity of silver halide recording
- High speed accumulation of exposed film
- Ease of operation of electrostatic printing
- Low cost of electrostatic paper
- Rapidly processed negative for record or duplication
- For CRT monitoring, telemetry recording, or other inputs

Photomechanisms' DATASTAT system is a self-contained Monitor/Camera/Processor/Printer that automatically records transient data from TV or CRT presentations of all types including character generation and produces 8½x11 electrostatic hard copies. Print quality is high and either continuous tone or line copy may be produced, depending on the type of data being recorded.

The versatile DATASTAT will accept input data at any rate up to 6 frames per second. The first hard copy print is produced with a total time lag of 30 seconds and succeeding frames are produced at the rate of one every five seconds.

The DATASTAT uses a rapidly processed 35 mm. film intermediate that offers several unique advantages including high speed transient recording; high quality hard copy printing using a direct-positive technique; and a permanent film record.

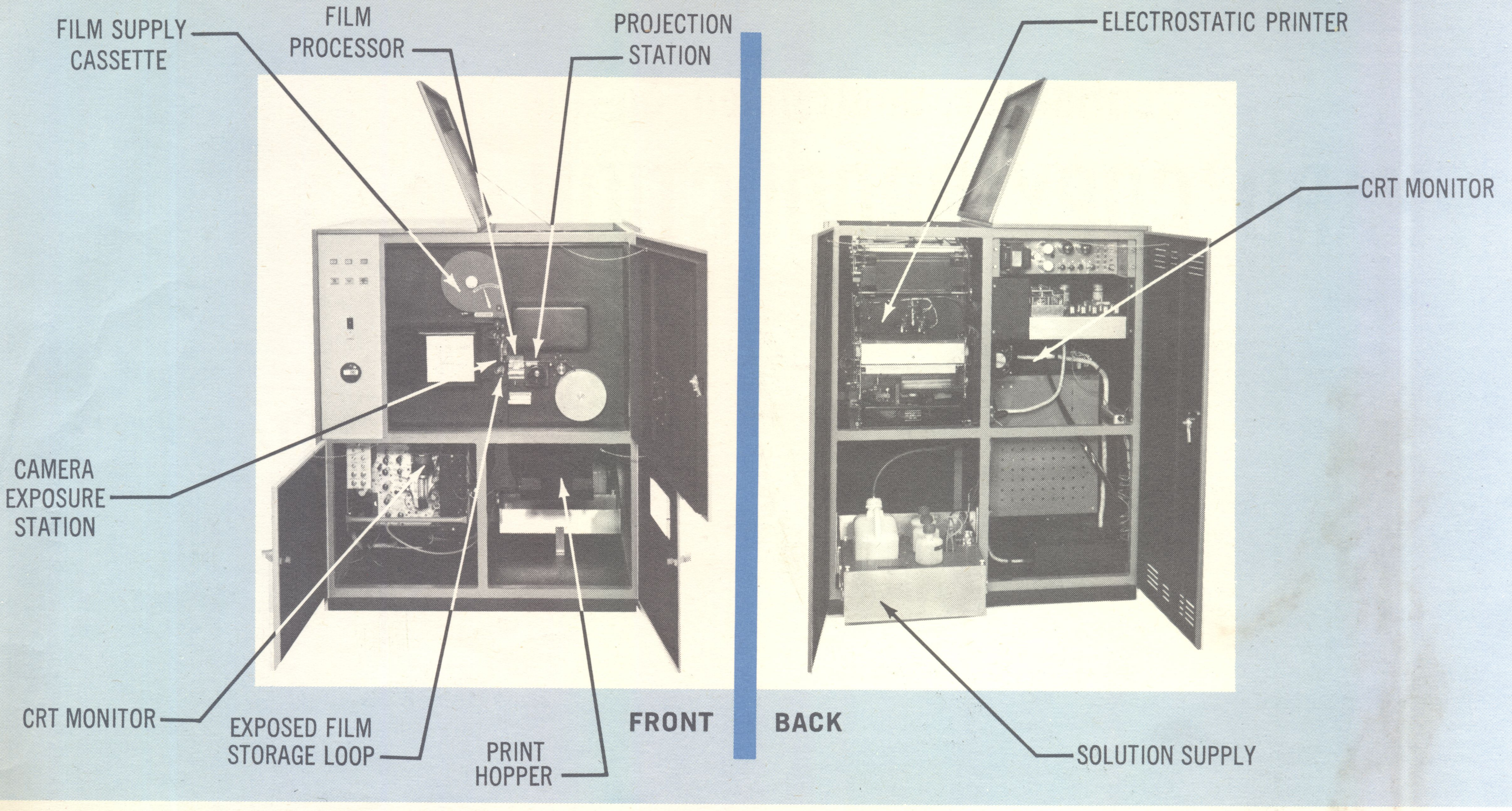
Because it is designed to perform all its recording and printing functions automatically, the DATASTAT can operate remotely and, if necessary, unattended for long periods. This means it can be fitted easily into any on or off-line system where data is generated continuously or intermittently and hard copy is required with minimum delay.

DATASTAT's economical electrostatic printing is particularly attractive where a large volume of data makes other recording media prohibitively expensive.

If you need hard copy from transient data, and if economy and speed are important to you, you'll be interested in the DATASTAT technical information on the reverse. You'll be interested, too, in what DATASTAT can do to solve your data handling problem.

PHOTOMECHANISMS Incorporated

15 STEPAR PLACE, HUNTINGTON STATION, N.Y. 11746 • (516) HA 3-4411



The DATASTAT system shown above consists of five integrated subsystems: the CRT monitor, camera, processor, projection system, and electrostatic printer.

In operation, data is displayed on the CRT and is recorded by the DATASTAT camera. A two digit identification as well as time and date are simultaneously recorded on each film frame by auxiliary data indicators.

The exposed film is fed to a RAPIDATA® processor where fresh, heated solutions are applied to the emulsion side for sensitometrically controlled developing. The processed image is immediately flow-printed onto charged electrostatic print paper.

A toner bath quickly develops the black on white print and a dry print is deposited in a hopper.

Large access doors, easily replaced modular subassemblies, and pre-mixed processing solutions make servicing and maintenance of the DATASTAT quick and easy and virtually eliminate down time.

DATASTAT System Specifications

CRT Monitor — Supplied with high resolution, 10 in., flat face CRT in standard 19 inch rack mount. Will accept any similar unit.

Data Indicators — 14 numeric digits (0-9) imaged onto film frame.

Recording Film — High speed, blue sensitive, 400 foot capacity, 35 mm. Cassette loaded.

Recording Rate — Maximum rate on pulse command, 6 per second. Maximum storage loop between exposure and processing, 25 frames. Higher rates and larger loops available on special order.

Film Processing — Completely automatic. RAPIDATA® photo-processor, sensitometrically controlled. Drawer-type solution supply assembly.

Hard Copy Exposure — Synchronized, flow-film exposure from film to electrostatic paper.

Type of Copy Produced — Positive, black on white, line print from bright line display or positive, continuous tone print from electrically reversed TV display.

Electrostatic Paper — 1000 foot roll of 8½ inch paper automatically cut to 11 inch length. Daylight loaded.

Standby — Can be kept in standby condition indefinitely without impairing performance.

Material consumption per 1000 hard copy prints:

- 1 1000 foot roll electrostatic paper
- 110 feet 35 mm. film
- ½ pint developer solution
- ½ pint stabilizer solution
- 1 quart toner solution

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